

MODIS sensor Working Group (MsWG) Meeting Summary

March 29, 2006

Attendance: Bill Barnes, Vincent Chiang, Gene Eplee, Gerhard Meister, Chris Moeller, Vincent Salomonson, Junqiang Sun, Zhengming Wan, Brian Wenny, Aisheng Wu, Xiaobo Xie, Jack Xiong

Scheduled Agenda

Item 1: Recent L1B LUT delivery

- Terra collection 4 forward update – V4.3.0.41 (Mar 21).
- Terra collection 5 forward update – V5.0.6.14 (Mar 17).
- Aqua collection 4 forward update – V4.3.1.27 (Mar 24).
- Aqua collection 5 forward update – V5.0.7.10 (Mar 23).

JX – MODAPS hopes we can continue to support collection-4 LUT delivery. If there is a need for collection 4, we will continue to support that. The impact to MCST is that we need to spend some extra time to support 2 versions. And keep in mind that the RSB RVS are different between collections 4 and 5.

Item 2: Instrument status

- Terra and Aqua MODIS are in nominal operations.
- On March 19 (2006/078) Terra experienced data loss for about an hour due to SSR FULL caused by the White Sands automatic data processing equipment (ADPE) failure. Data loss time period was from 07:49:45 to 08:46:33 (orbit# 33246).
- Terra Pointing Error on 2006/066 (Mar. 7) was due to an incorrect state file loaded to the Terra TONS system. Robert Wolfe reported a small increase in the geo-location control point residuals after the event on day 066: mean errors increased 17 m in track and 37 m in scan directions. RMS also increased in both track and scan directions. By the beginning of day 067, everything was back to normal.
- There was also an Aqua data loss due to a ground station problem on day 2006/087 (Mar 28). Data loss period was from 16:28:06 to 16:28:17.
- SRCA on-orbit test configuration change
Aqua has two 10-W lamps left for calibration; Terra recently had one of the 10W lamp (#3) behave abnormally. So, right now both Aqua and Terra are using two 10W lamps for radiometric calibration.

Around the Table

Participant: **Jack Xiong (MCST)**

- Aqua maneuvers:
 - Aqua will perform a series of orbit inclination adjustment maneuvers for a couple of weeks this summer. We will let you all know the time period. If scientists are planning field measurements in summer, please let us know in advance.
- To Chris:
 - We continue to test TEB a0/a2. We will call you (telecon) later this week to discuss some new results.
- To Dr. Wan:
 - I sent you a note to answer your question about the difference between B31 and 32 at the end of the scan. It is due to the frame offset of the PC bands crosstalk correction in L1B. At the end of the scan, there are a few frames that B32 is higher (no correction) than the other frames which have PC correction.

Participant: **Vincent Salomonson**

The next Science Team Meeting will probably in September.

Next MsWG meeting scheduled on April 19, 2006